

# Pascua Yaqui culture, STEM, and summertime- collaborating for social and emotional wellness

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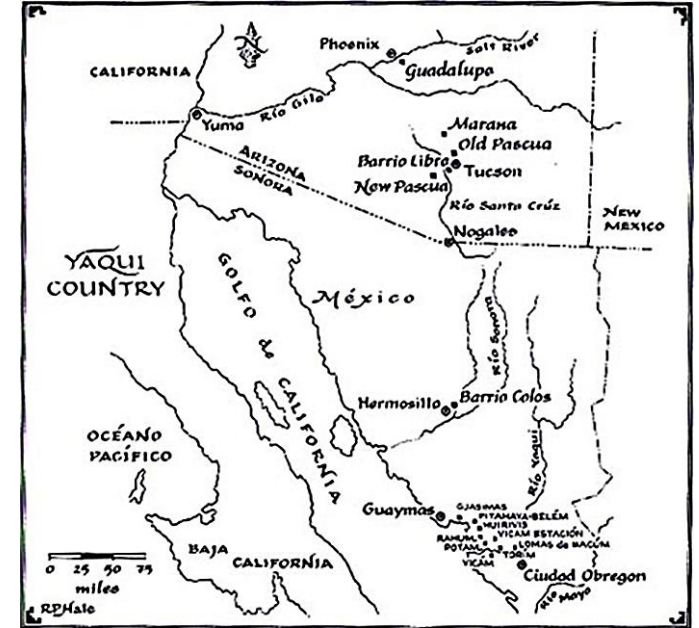
COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES  
Southwest Institute  
for Research on Women



# Pascua Yaqui Tribe

## Homelands of Mexico-

- Fled eradication in 1800's
- Federally recognized tribe since 1978
- The youngest tribe in the Arizona
- Estimated 18,955 enrolled members
  - \*as of 2015
- Average age: 19.5 years old



# Head Start summer programing

- Ili Uusim Hiapsi (IUH) program again offered the Children's Summer Enrichment Program which was able to serve,

**80 participants from 3-6 years-old!**

The summer program offered:

- Yaqui Language
- Culture Curriculum
- STEM (Science, Technology, Engineering and Math) curriculum.

# Photos from the 2016 summer program!





# Program Details

- Ili Uusim Hiapsi and Ili Uusim Mahtawapo (Head Start) collaborated to develop the “Summer Enrichment Program” for the Pascua Yaqui community.
- Program Details:
  - 8 am-2 pm daily
  - five days per week
  - for five weeks



# Program collaboration

- Each classroom housed three teaching staff
  - 1 cultural/language instructor
  - 1 student helper (a high school student gaining professional experience)
  - 1 IUH staff member for behavioral support for the children.
- After STEM activities, the second half of each day offered an amalgamation of Yaqui language/cultural activities, where children heard stories passed down through generations.

# Vea Vocham Story

&

# Maaso Puusim

- Maaso Puusim - Ojo de Venado- Deers Eye Seed Protect any bad elements that wish to harm you, worn close to your skin and is not to be touched by anyone other than yourself.
- With faith the deers eye will catch the bad elements trying to get you and store it forever. However, if the seed cracks, breaks, or the neckless busts, it's to be buried in the desert, for it is believed that the reason this has happened that the eye was so full with bad elements that it could not handle any more.

# Project LAUNCH

- Project LAUNCH strives to create a sustainable culture of collaboration and interdependence that provides accessible integrated resources that promote holistic child wellness.
- Program Objectives:
  - Improve coordination and collaboration across child-serving systems
  - Improve access to higher quality care and evidence-based programs for young children and their families
  - Raise awareness and increase knowledge about young child wellness through public education and workforce development



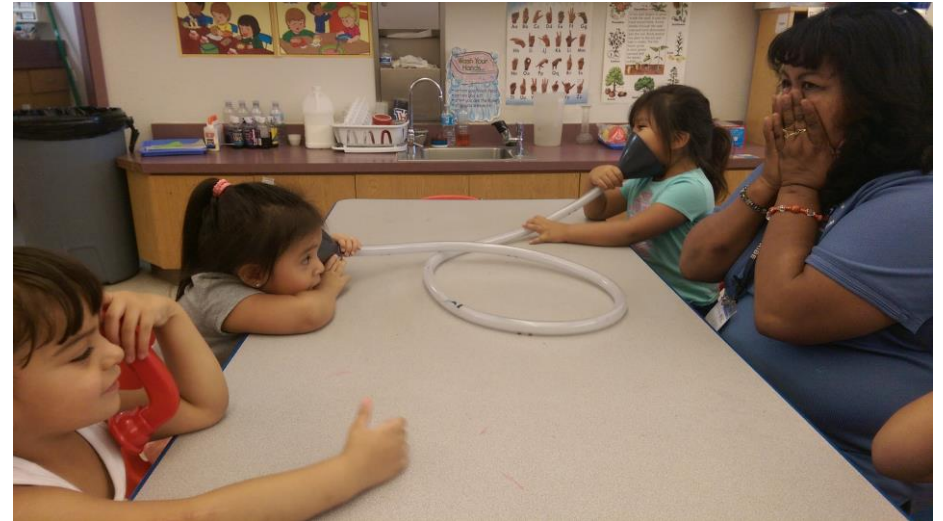


# Sewa Uusim/ IUH overview

## Ili Uusim Hiapsi staff

- 3 Family Navigators
- 3 Home Visitors
- 2 Child & Family Therapist (Young Child)

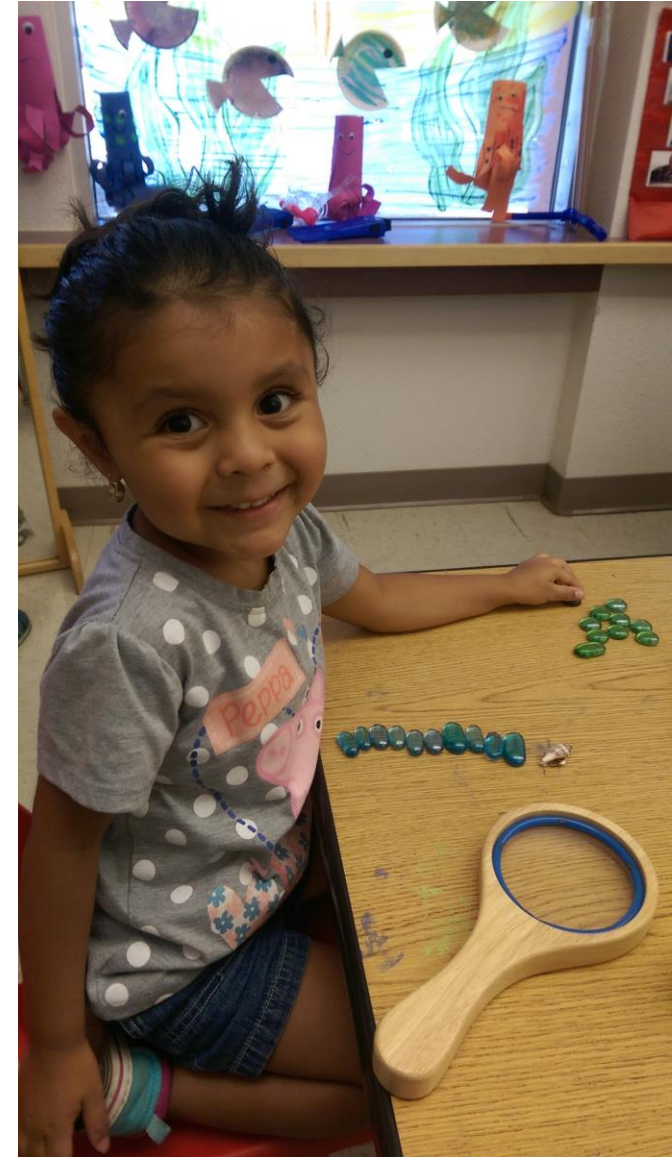
# Ili Uusim Hiapsi/ Head Start Summer Program 2016



# STEM Activities

- The children performed various experiments and made predictions of outcomes.
- Each week offered a new area of study.
  - Chemistry and Color
  - Physical Science: Gravity and Sound
  - Biology/ Geology
  - Water/ Ocean
- One activity involved the children constructing various types of paper airplanes and tested their hypotheses (which could go further, faster, most spins).

# STEM in Action!

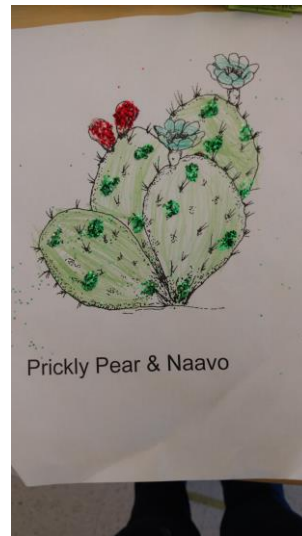


# Pascua Yaqui Cultural Activities

- The children completed a finger-dot painting of the Yaqui flag which also included the history of the flag and the meaning behind the symbols.
- The children also colored cut outs about the “Talking Tree” story and learned about the tree’s predictions for the Surem people (the name of the Yaqui people before their transformation).



# Culture and Art



# UA/SIROW

## SIROW Mission Statement:

- To improve the lives of women and girls – particularly those living in the Southwest – through inter-disciplinary and inter-institutional research and action projects.
- Projects include a broad spectrum of themes and issues from health and wellness to education, employment, women's history and the arts.
- It is our belief that by challenging the status quo, facilitating the voices of those who experience disparity, working with diverse groups of women, men and transgender individuals, and seeking innovative methods to improve conditions and contexts, positive changes can be made at an individual, social and structural level.



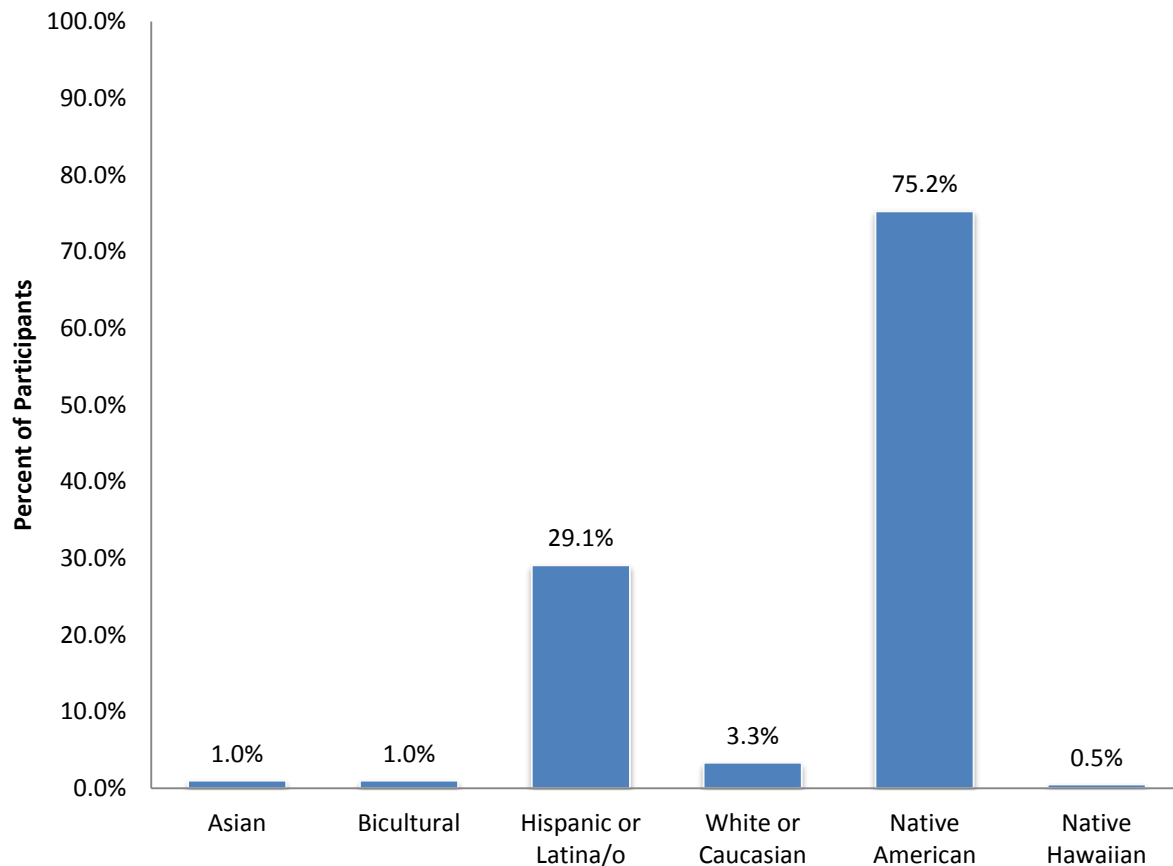
# CBPR

“Community-based participatory research is a collaborative approach to research that equitably involves all partners in the research process and recognizes the unique strengths that each brings. CBPR begins with a research topic of importance to the community with the aim of combining knowledge and action for social change to improve community...”

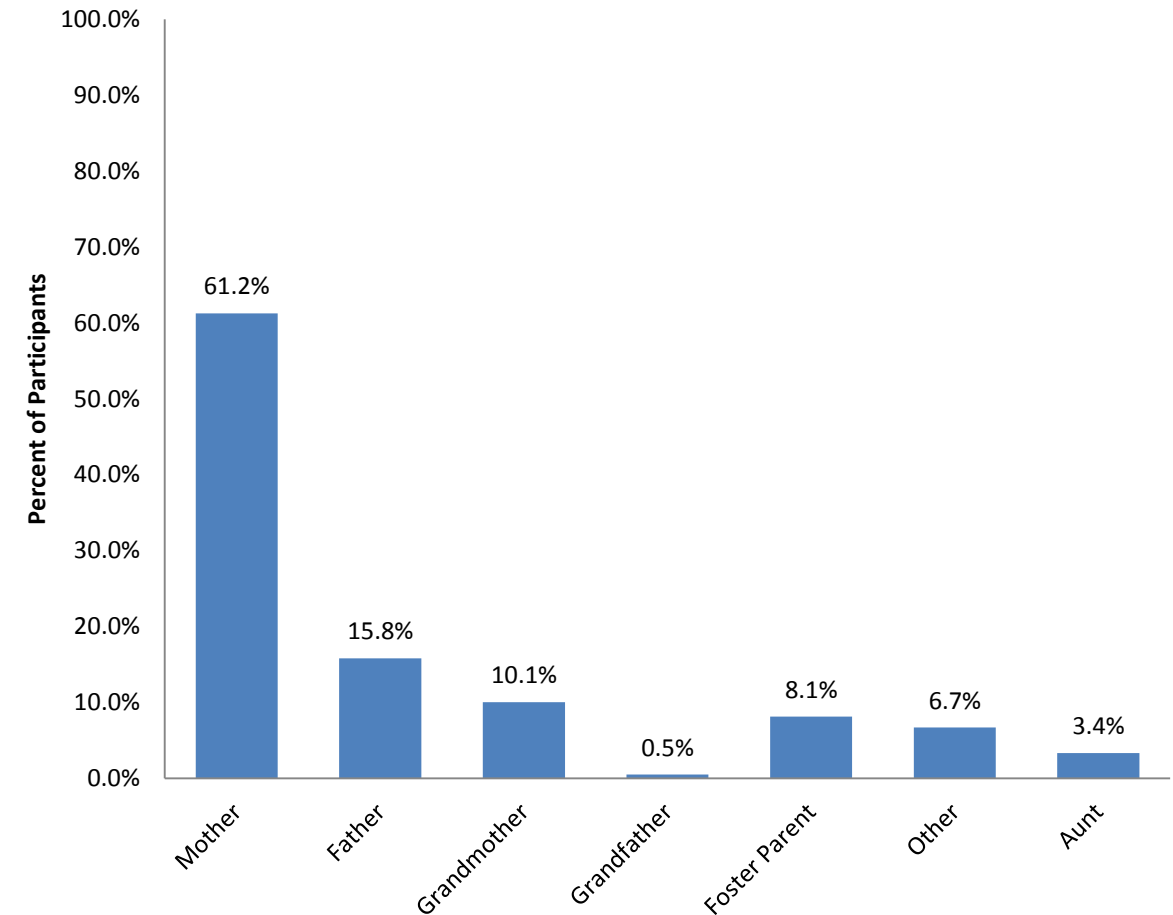
W.K. Kellogg Foundation, Community Health Scholars Program, 2001  
quoted in Minkler and Wallerstein (2003:4)

# Ili Uusim Hiapsi Caregivers

**Race/ Ethnicity of Caregivers (N = 210)**



**Caregiver Relationship to Child (N = 209)**



# Partnership between program and evaluation

- Conduct individual interviews with Yaqui families with children from birth- age 8
  - Share screening results with participants and with Family Navigators
  - Family Navigators refer/recommend appropriate services
- Re-assess every 6 months for the duration of the project
- Examine change over time for both children and adults



# Instrumentation overview

## PARENTS/CAREGIVERS

- Parenting Stress Survey
- Native American Parenting Survey
- Global Appraisal of Individual Needs - Short Screener (GAIN-SS)
- Social Skills Improvement System (SSIS)
- Native American Acculturation Scale (NAAS)
- Satisfaction and Participation Surveys

## CHILD

- Ages and Stages Questionnaire
  - ASQ-3 and ASQ:SE

# Evaluation progress update

- Currently, there are **138 families** enrolled in the evaluation made up of **500 participants** with children and caregivers combined.

# Ku Bird Story



# Photos from Summer 2016!





More photos!!

Summer Food  
Program 😊





Questions?



# Thank you!

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# Complete the Breakout Session Evaluation on the Mobile App

